Index of Claims

Application/Control No.

10/829,672

Examiner

David J. Parsley

Applicant(s)/Patent under Reexamination

GIBSON ET AL.

Art Unit

3643

| 1 | Rejected |
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| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 . Objected

|             |  | L       |              |              |            |              | ]  |  |  |  |
|-------------|--|---------|--------------|--------------|------------|--------------|--|--|--|--|
|             |  | Q       |              |              |            |              |  |  |  |  |
| Cla         | 2  |         |              |              | <u>Dat</u> | <u>e</u>     | ,  | ,  |  |  |
| Final       | eim  | 12.6-65 |              |              |            |              |  |  |  |  |
|             | جبر  | _       | /            | $\vdash$     | $\vdash$   |              | ├  | ╀  | <del> </del> —                                   | ┡  |
|             | $\mathbf{V}$   | ¥       | 1-           | ├            | <u> </u>   | ├            | ├-   | <u> </u>   | <u> </u>   | L  |
| <u> </u>    | 2  | 4       |              | ├            | ├          | ⊢            | ╀  | ┢  | ┢  | H  |
|             | 3  | ╂       | ├            | ⊢            | ├          | ⊢            | ╁  | ╁  | ⊢  | $\vdash$   |
| <del></del> | 5  | H       | ┢            | <del> </del> | ┢          |              | ļ.,  | ┼  | ├  | <del>                                     </del> |
|             | 6  | Н       |              | $\vdash$     | $\vdash$   | 1            | <del> </del>                                     | $\vdash$   | <del>                                     </del> | <del>                                     </del> |
| <del></del> | 7  | +       | $\vdash$     | $\vdash$     | $\vdash$   | 1            | 1  | $\vdash$   | <del>  -</del>                                   | ╁  |
|             | 8  | 1       |              |              |            | -            | <del>                                     </del> | $\vdash$   | † <u> </u>                                       | t  |
|             | 8<br>9<br>10   |         |              |              |            |              |  |  |  |  |
|             | (10)   |         |              |              |            |              |  |  | Ι.   | Π  |
|             | 11   | 1       |              |              |            |              |  |  |  |  |
|             | 12   | $\prod$ | <u> </u>     |              |            |              |  | ļ  |  |  |
| L           | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>(18)<br>19<br>20<br>21<br>22 | Ц       | $\vdash$     | <u> </u>     | <u> </u>   | <u> </u>     | _  | ↓_   |  |  |
|             | 14   | Н       | _            | ▙            | ├_         | <del> </del> | <b>├</b>   | <u> </u>   | _  |  |
| -           | 15   | $\Box$  | -            | _            | <u> </u>   | -            | ├  | ┡  | -  | Н  |
|             | 17   | 1       | -            | -            | -          | -            | ┢  | ├  | -  | _  |
|             | (8)  | 1       | -            |              | -          | ┢            | ⊢  | ┢  | -  | $\vdash$   |
|             | 19   |         | -            | -            | -          | ┢            | $\vdash$   | ┢  | -  |  |
|             | 20   |         |              |              |            | <del> </del> | ╁╌   | ╁  | ├  | H  |
|             | 21   |         |              |              |            |              | <del> </del>                                     | H  |  |  |
|             | 22   | _       | $\vdash$     | Т            | Н          |              | T  | H  | <del>                                     </del> |  |
|             | 23   |         | Г            | Г            |            | 1            |  |  | t  | П  |
|             | 24   |         |              |              |            |              |  |  |  |  |
|             | 23<br>24<br>25   |         |              |              |            |              |  |  |  |  |
|             | 26<br>27   |         | <u> </u>     | <u> </u>     | L          | <u> </u>     | L.   | <u> </u>   | 匚  |  |
|             | 27   |         |              | <u> </u>     | <u> </u>   | <u> </u>     | L.   | _  | <u> </u>   | Щ  |
|             | 28<br>29<br>30   |         |              |              |            |              | _  |  | <b></b>  | Н  |
|             | 29   |         |              | _            |            |              | -  | -  |  | $\vdash$   |
|             | 31   |         |              |              |            |              | ⊢  | -  |  | Н  |
|             | 31<br>32<br>33   |         | -            | -            | -          |              | -  | <del> </del>                                     | -  | Н  |
|             | 33   |         | $\vdash$     | $\vdash$     | _          |              | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash \dashv$                                  |
|             | 34   |         | 一            |              | $\vdash$   | Н            | $\vdash$   |  |  | H  |
|             | 34<br>35   |         |              |              |            | Г            |  | Г  | Г  |  |
|             | 36<br>37   | _       |              |              |            |              |  |  |  |  |
|             | 37   |         |              |              |            |              |  |  |  |  |
|             | 38   |         |              |              |            |              | 匚  | 匚  |  |  |
|             | 39   |         |              |              |            | L            | _  | <u> </u>   | $\Box$   |  |
|             | 40   |         | L            |              | <u> </u>   | <u> </u>     | <u> </u>   |  | L_   | Ш  |
|             | 41   |         | <u> </u>     |              | <u> </u>   | <u> </u>     | ļ  |  | <u> </u>   | $  \_  $   |
|             | 42   | _       | $\vdash$     |              | <u> </u>   | -            | <del> </del>                                     | ├—   | ļ  | $\vdash \vdash$                                  |
|             | 43<br>44   | _       | <u> </u>     | <u> </u>     |            | $\vdash$     | ⊢  |  |  | $\vdash\dashv$                                   |
|             | 45   |         | <del> </del> | <del> </del> | -          | -            | $\vdash$   | $\vdash$   | H  | $\vdash$   |
|             | 46   | -       | -            | -            | -          | $\vdash$     | $\vdash$   | -  | Н  | $\vdash$   |
|             | 47   | -       |              | $\vdash$     | -          | $\vdash$     | -  | Н  | Н  | $\vdash$   |
|             | 48   | _       |              |              | -          | $\vdash$     | -  | $\vdash$   | Н  | $\vdash \dashv$                                  |
|             | 49   |         |              |              | _          | П            | <u></u>  |  | $\vdash$   | $\vdash$   |
|             | 50   |         |              | -            |            |              | _  |  |  | Н  |

| Cla      | im              | 8        |  |              |  | Dat          | e  |          |              |  | ]   | Cla            | aim      |                 |          |           |          | Date     | e            |              |                |          |
|----------|-----------------|----------|--|--------------|--|--------------|--|----------|--------------|--|-----|----------------|----------|-----------------|----------|-----------|----------|----------|--------------|--------------|----------------|----------|
| - 1      |                 | 12.605   |  |              |  |              |  |          |              |  | 1   |                |          |                 |          |           |          |          |              | Г            |                |          |
| rinai    | .≌              | 1        | .i   |              |  |              | İ  |          | ŀ            |  | ŀ   | <u>a</u>       | Original |                 |          | ı         |          |          |              |              |                |          |
| -        | . <u>g</u>      | 7        |  | i            | 1  | l            |  |          |              |  |     | Final          | rig      |                 | ļ        |           |          |          |              |              |                |          |
| _        | Original        | ~        | 1.   |              | 1  |              |  | Į        |              | l  | ı   | -              | 0        |                 |          |           |          | 1        |              |              |                |          |
| -        | <del>رئ ر</del> |          | 1  | ╁            | $\vdash$   | ╁╌           | ╁╾   | -        | ╁            | ┢  | 1   | <u> </u>       | 51       | $\vdash$        |          | _         |          | ⊢        | ┢            | ╁            | H              | $\vdash$ |
| $\dashv$ | ىپد             | ¥        | +-   | ╁            | ╁  | ├            | -  | -        | ╁            | ⊢  | 1   |                | 5        | $\vdash$        | $\dashv$ |           |          | <u> </u> | ⊢            | <del> </del> | $\vdash$       | -        |
| -        | <u> </u>        | H        | -  | ╫            | ┼  | ⊢            | ╀  | ⊢        | _            | -  | -   |                | 52       | $\sqcup$        | _        | -         |          |          | <u> </u>     |              | $\blacksquare$ | _        |
| -        | 3               | 4        | ┼  | ₩            | ┞  | ┞            | <u> </u>   | <u> </u> | ┡            | <u> </u>   | -   |                | 53       |                 | _        |           |          | ᆫ        | <u> </u>     | <u> </u>     | Ш              | Щ        |
|          | 4               | Щ        | <u> </u>   | _            | _  | L            | L.   | L.       | <u> </u>     | <u> </u>   |     |                | 54       |                 | _        |           |          |          |              | <u></u>      | Ш              |          |
|          | 5               | Ц        | $\perp$  | ŀ            |  |              |  |          |              |  | ]   |                | 55       |                 |          |           |          |          | L            |              |                |          |
|          | 6               | Ш        |  |              |  |              |  |          |              |  |     |                | 56       |                 |          | ]         |          |          |              |              |                |          |
|          | 7               | П        |  |              |  |              |  |          |              |  | 1   |                | 57       |                 |          |           |          |          |              |              |                |          |
|          | 8               | 7        | П  | П            | Γ  |              |  |          |              |  | 1   |                | 58       |                 |          | $\neg$    |          |          |              |              |                |          |
|          | 9<br>10         |          |  |              |  |              |  |          |              |  | 1   |                | 59       |                 |          |           |          |          |              | _            |                |          |
| 7        | 10)             | 1        | $\vdash$   | T            |  |              |  |          | <u> </u>     | ⇈  | 1   |                | 60       |                 | $\neg$   |           |          |          | <u> </u>     | -            |                | $\dashv$ |
| _        | 11              | +        | $t^-$  | $t^-$        | -  | <del> </del> | ┢  |          | ┢            |  | 1   |                | 61       |                 | $\dashv$ | $\neg$    |          | _        |              |              | Н              | $\dashv$ |
| $\dashv$ | 12              | +        | +  | t            | t  | $\vdash$     | <del>                                     </del> | _        | <del> </del> | <del>                                     </del> | 1   |                | 62       | $\vdash$        | $\dashv$ | -         |          | -        | <del> </del> | <del> </del> | Н              | $\dashv$ |
| -+       | 13              | +        | ╁  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   |          | -            | <del> </del>                                     | 1   | $\vdash\vdash$ | 63       | -               | -+       |           |          | -        | -            | $\vdash$     | $\vdash$       | $\dashv$ |
| $\dashv$ | 14              | Н        | +  | ┼            | +-   | -            | -  | -        | $\vdash$     | $\vdash$   | 1   |                |          | $\vdash$        | $\dashv$ | -         |          |          | <u> </u>     | $\vdash$     | $\vdash$       |          |
| $\dashv$ | 14              | Н        | 1  | $\vdash$     | -  |              | -  | -        | -            | $\vdash$   | {   | <b></b>        | 64       | $\dashv$        | -+       |           |          |          | <u> </u>     | _            | Н              |          |
| $\dashv$ | 15<br>16        | $\sqcup$ | $\vdash$   | $\vdash$     | $\vdash$   | -            | ├  | <u> </u> | <u> </u>     | ⊢  | ļ   |                | 65       |                 | _        | _         | ,        |          |              | <u> </u>     | Ш              |          |
| -        | 16              | 4        | <u> </u>   | ļ            | _  |              | <u> </u>   | <u> </u> | <b> </b> _   | <u> </u>   |     |                | 66       | $\sqcup$        |          | ļ         |          |          | L            | _            | Ш              |          |
|          | 17              | _{_{1}}  | _  | ļ            |  |              | _  |          |              |  |     |                | 67       |                 |          |           |          |          |              |              |                |          |
|          | <b>®</b>        | V        | 1  |              |  |              |  |          |              |  |     |                | 68       |                 |          |           |          |          |              |              |                |          |
|          | 19              |          |  |              |  |              |  |          |              |  | 1   |                | 69       |                 | П        | П         |          |          |              |              |                |          |
| $\neg$   | 20              |          |  |              |  |              |  | Г        |              |  | 1   |                | 70       | $\neg$          | ╗        | コ         |          |          |              |              |                |          |
|          | 21              |          |  |              |  |              |  |          |              |  | 1   |                | 71       |                 | 寸        | ┪         |          |          | _            | <u> </u>     |                | $\neg$   |
| _        | 22              | _        | $\vdash$   |              |  |              |  |          | _            |  | 1   |                | 72       | $\neg \uparrow$ | _        | ┪         |          | -        | $\vdash$     | ┢            |                | $\neg$   |
|          | 23              |          | H  | $\vdash$     | <del>                                     </del> | Ι            | _  | -        | $\vdash$     | H  | 1   |                | 73       |                 | $\dashv$ | ᅥ         | _        | -        | -            | $\vdash$     |                |          |
|          | 24              |          | $\vdash$   | $\vdash$     | $\vdash$   | ⊢            | $\vdash$   |          | ┢            | ⊢  | 1   |                | 74       |                 | $\dashv$ | $\dashv$  | -        | _        |              | -            | $\vdash$       |          |
| $\dashv$ | 25              |          | ├  | ├            | ├  | ├            | $\vdash$   |          | $\vdash$     | -  | 1   |                | 75       |                 | -+       |           |          |          |              | _            | $\vdash$       | $\dashv$ |
|          | 20              |          | ├  | ├            | ⊢  | $\vdash$     |  | -        | ├            | -  | 1   |                |          |                 | -        | -         |          |          |              |              |                | _        |
| +        | 26              |          | ⊬  | ├—           | ├  | -            |  |          | ⊢            |  | l   |                | 76       | $\dashv$        |          | _         |          |          |              | <u>_</u>     | $\square$      |          |
|          | 27              |          | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     |  |          | _            | <u> </u>   |     |                | 77       | _               | _        | _         |          |          |              |              |                | _        |
| _        | 28              |          |  |              | L.   |              |  |          | ļ            | L_   |     |                | 78       |                 | _        | _         |          |          |              |              |                |          |
|          | 29              |          | L_   | <u> </u>     |  |              |  |          |              | <u> </u>   |     |                | 79       |                 |          | l         |          |          |              |              |                |          |
|          | 30              |          | <u>L</u>   | <u></u>      |  |              |  |          |              |  |     |                | 80       |                 |          | _ 1       |          |          |              |              |                |          |
|          | 31              |          |  |              |  |              |  |          |              | Γ  |     |                | 81       |                 | $\neg$   |           |          |          |              |              |                |          |
|          | 32              |          |  |              |  |              |  |          |              |  |     |                | 82       | $\neg$          | $\neg$   | $\exists$ | $\neg$   |          |              |              | T              | ᅥ        |
| 7        | 33              |          | Г  | П            |  |              |  |          | Г            |  | 1   |                | 83       | $\neg \dagger$  | $\dashv$ | 寸         |          |          |              |              | $\sqcap$       | $\neg$   |
| $\neg$   | 34              |          |  |              | Г  |              |  |          |              | $\vdash$   |     |                | 84       | 7               | -        | $\dashv$  |          |          |              |              | $\vdash$       | $\dashv$ |
| 7        | 35              |          |  |              | Г  | $\vdash$     |  |          | $\vdash$     | <del>                                     </del> | 1   |                | 85       | $\dashv$        | $\dashv$ | 7         |          | -        | -            |              | $\vdash$       | ᅥ        |
| $\dashv$ | 36              |          | -  | _            | ┰  | $\vdash$     | $\vdash$   |          | $\vdash$     | <del>                                     </del> |     |                | 86       | +               | $\dashv$ | -         | $\dashv$ |          |              | -            | $\vdash$       | $\neg$   |
| $\dashv$ | 37              |          | $\vdash$   | ┢            | -  | -            | -  |          | $\vdash$     | $\vdash$   |     |                | 87       | $\dashv$        | +        | +         | -        | _        |              | $\vdash$     | $\vdash$       | -        |
| +        | 38              | -        | <del> </del>                                     | <del> </del> | -  | <del> </del> | $\vdash$   |          | $\vdash$     | -  |     |                | 88       | $\dashv$        | +        | $\dashv$  | $\dashv$ |          | _            |              | $\vdash$       |          |
| -+       | 30              |          | $\vdash$   | ⊢            | ⊢  | -            | $\vdash$   | _        | -            | $\vdash$   |     |                |          | -               | -        |           |          | _        |              | ļ.,,         | $\dashv$       | $\dashv$ |
| $\dashv$ | 39              |          | ├  | $\vdash$     | $\vdash$   | $\vdash$     | <u> </u>   |          | <b>—</b>     | <u> </u>   |     |                | 89       | $\dashv$        | $\dashv$ | 4         | 4        |          |              | Ш            | $\sqcup$       | _        |
| 4        | 40              |          | _  |              | <u> </u>   | <u> </u>     |  |          | <u> </u>     | _  |     |                | 90       | _               | $\dashv$ | _         | _        | _        |              | Щ            |                |          |
| _        | 41              |          | <u> </u>   |              | _  |              |  |          | <u> </u>     |  |     |                | 91       | _               | $\dashv$ | _         |          |          |              |              | Ш              |          |
|          | 42              |          | oxdot  |              |  | L_           |  |          | Ĺ            |  |     |                | 92       |                 |          |           | I        | ]        |              |              |                |          |
|          | 43              |          | L  | L            | L  |              |  |          |              |  |     |                | 93       | T               | _T       | _T        |          |          |              |              |                |          |
|          | 44              |          | L  |              |  |              |  |          |              |  |     |                | 94       |                 | $\neg$   | $\neg$    | $\neg$   |          |              |              |                | $\neg$   |
|          | 45              |          |  |              |  |              |  |          |              |  |     | T              | 95       | $\neg$          |          | 7         | 寸        | $\neg$   |              |              | $\Box$         | ᅱ        |
|          | 46              | _        |  |              | Г  |              |  |          | $\Box$       | $\vdash$   |     |                | 96       | $\dashv$        | $\dashv$ | 7         | 一        | $\dashv$ |              | $\vdash$     | -              | $\dashv$ |
|          | 47              |          | <del>                                     </del> | П            |  |              | Н  |          |              | _  |     | $\neg$         | 97       | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$ |          | _            | $\dashv$     | -              | $\dashv$ |
|          | 48              | _        | $\vdash$   | $\vdash$     | $\vdash$   | _            | $\vdash$   |          | $\vdash$     |  |     |                | 98       | $\dashv$        | -+       | -+        |          | -        | -            | $\dashv$     | -              | $\dashv$ |
|          | 49              |          | -  |              | -  | -            | $\vdash$   |          | -            | _  | }   |                | 99       | +               | $\dashv$ | +         |          | -        | -            | $\dashv$     | $\dashv$       | $\dashv$ |
|          | 50              |          |  | -            | -  |              | $\vdash$   | $\dashv$ | -            | Ь.   | }   | -+             |          | $\dashv$        | +        | 4         | -        |          |              |              |                |          |
|          | JU              |          |  |              | L_   |              |  |          |              | L  | ı l |                | 100      |                 |          | _1        |          |          |              |              | $\perp$        |          |

| CI       | Date                                   |          |  |          |          |  |               |          |          |          |
|----------|--|----------|--|----------|----------|--|---------------|----------|----------|----------|
| Final    | Original                               |          |  | !        |          |  |               |          |          |          |
|          | 101<br>102<br>103                      |          |  |          |          |  |               |          |          |          |
|          | 102                                    |          | L  |          |          |  |               |          |          |          |
|          | 103                                    |          | 乚  |          |          |  |               |          |          |          |
|          | 104                                    |          |  | <u> </u> | L        |  |               |          |          |          |
| <u> </u> | 103<br>104<br>105                      |          |  | <u> </u> |          | _  | _             |          |          |          |
|          | 106                                    |          | _  | <u> </u> |          | _  |               | <u> </u> | _        | Ш        |
|          | 107                                    |          | _  | <u> </u> | <u> </u> | <u> </u>   | _             |          | L        |          |
|          | 107<br>108<br>109                      |          | ├  | <u> </u> | ⊢        | -  |               | _        | ├        | Н        |
| ├─-      | 110                                    |          | ┝  |          | ┝        | -  | -             | $\vdash$ |          | $\vdash$ |
|          | 110<br>111                             | -        | ⊢  | $\vdash$ | $\vdash$ | -  |               | ⊢        |          | Н        |
|          | 112                                    | _        | <del>                                     </del> | $\vdash$ | ┝        | -  | $\vdash$      |          |          | H        |
|          | 113                                    |          |  | _        | _        | -  | ┢             |          | -        | Н        |
|          | 114                                    |          | $\vdash$   |          |          |  |               |          |          | Н        |
|          | 115                                    |          |  | -        |          | $\vdash$   |               |          |          | Н        |
|          | 116                                    |          |  | _        |          |  |               |          |          | Н        |
|          | 112<br>113<br>114<br>115<br>116<br>117 |          |  |          |          |  |               |          | 1        | П        |
|          | 118                                    |          |  |          |          |  |               |          |          | П        |
|          | 118<br>119                             |          |  |          |          |  |               |          |          |          |
|          | 120                                    |          |  |          |          |  |               |          |          |          |
|          | 120<br>121<br>122                      |          |  |          | L        |  |               |          | ·        |          |
|          | 122                                    |          |  |          |          |  | _             |          | <u></u>  |          |
|          | 123                                    |          |  | <u> </u> |          | _  | _             | <u> </u> | _        |          |
|          | 123<br>124<br>125                      |          |  |          |          | _  | <u> </u>      | <u> </u> | <u> </u> | _        |
|          | 125                                    | _        | -  |          | <u> </u> |  | ├             | ┝        | _        | $\dashv$ |
|          | 120                                    | -        | -  | -        | _        | ├─   | ├             | $\vdash$ |          |          |
| H        | 126<br>127<br>128<br>129               |          | -  | -        |          | <del>                                     </del> |               |          |          | $\vdash$ |
|          | 129                                    | _        |  | _        |          | -  | <del> </del>  |          | -        |          |
|          | 130                                    |          |  | _        |          | _  | _             |          |          | _        |
|          | 131<br>132                             |          |  | -        |          |  |               |          |          |          |
|          | 132                                    |          |  |          |          |  |               |          |          |          |
|          | 133                                    |          |  |          |          |  |               |          |          |          |
|          | 134<br>135                             |          |  |          |          |  |               |          |          |          |
|          | 135                                    | _        |  | _        | _        | <u> </u>   |               | <u> </u> | Щ        | Ш        |
|          | 136<br>137                             | _        |  |          | L.,      | _  | <u> </u>      | L.,      | Щ        | Ш        |
|          | 137                                    |          |  |          |          | H  | <u> </u>      |          | Ш        | Щ        |
|          | 138                                    | $\dashv$ |  |          |          | -  | <b>—</b>      | <u> </u> |          | $\dashv$ |
| $\vdash$ | 140                                    | $\dashv$ | Н  |          |          | -  |               | Н        |          | $\vdash$ |
|          | 141                                    |          |  |          | _        | -  |               | $\vdash$ | -        | $\dashv$ |
| $\vdash$ | 142                                    |          |  |          | -        | _  | _             | $\vdash$ | $\vdash$ | $\dashv$ |
|          | 143                                    |          |  |          | _        |  |               |          |          | $\dashv$ |
|          | 144                                    |          |  |          |          |  | $\overline{}$ | П        |          | $\dashv$ |
|          | 145                                    |          |  |          |          |  |               |          |          |          |
|          | 146                                    |          |  |          |          |  |               |          |          |          |
|          | 147                                    | ]        |  |          |          |  |               |          |          |          |
| igsqcut  | 148                                    | _        |  |          |          |  |               |          |          |          |
|          | 149                                    | _        |  |          |          |  |               |          |          |          |
|          | 150                                    |          |  |          |          |  |               | Ш        |          |          |